Setup for Ludlum 2241 with Trimble and GPS Gate on VIPER Run (Site Specific for Canadian Radium)

- Power up the Gateway.
- Power on the LINC
- Power GeoXT on (if not already)
- Click the Windows Icon (top Left) and click "Today"
- On the bottom right of Trimble screen ensure that the Wifi is connected to EPAERT1 (it is configured ONLY to connect to EPAERT1 so if the icon isn't there or isn't green with bars, ensure the VIPER gateway is on)
- Also on the bottom right is the GPS Gate Icon. If it is red, we have issues. Red means there is no communication from the Trimble to the software. If that is the case go to Windows, GPS Gate, Settings and make sure INPUT settings are COM 2, Baud 9600 and port is OPEN. OUTPUT is TCP/IP Port and must be set to 20175.
  - IF the GPS Gate Icon is Yellow-ish, then you are good on the settings but need at least 6 satellites to work properly
  - IF the GPS Gate Icon is Green, then you have enough satellites to start your Run
- Connect LINC to Ludlum, power on the Ludlum

Start your VIPER RUN:

- Open Survey Controller
- New Run From Template (Either Canadian Radium template should work but use the one ending in 20175 in the name)
- Add run info as needed, record data if you are ready to go
- The Ludlum Meter App should launch and turn green
- If not green, check LINC connection to the unit
- IF NO GPS ensure settings above are correct and that you have enough satellites
- When the Trimble gets enough satellites the *LINC* GPS Light (BLUE) will turn on to indicate you have GPS feed for the RUN.

Other Notes:

- If you need to check the Meter App settings you must click on ADMIN and unlock it. Use the password generator icon on desktop for latest password
- Go to Data input Settings Tab
  - Ensure GPS IP is 192.168.3.1 and Port is 20175
  - IF YOU CANT GET THE TRIMBLE TO WORK
    - Start a new run from scratch to get default GPS from the LINC OR
    - Change the IP to 192.168.3.21, PORT to 8024 and click the Save Settings Tab, then the Configure Tab AND THEN X/Close the Meter APP and let it relaunch. Then new settings will be applied and the GPS will now come from the LINC

GPS

GPS Gate Yellow (need more satellites), Wifi good

Internet Explorer
Messaging
Response ManagerPda
Windows Media
GPS Controller
Update
File Explorer
TerraSync
ActiveSync
Programs
Settings
Help

40°30'46.941"N
5.65m HAE
Heading Lo...
Productivity   Precision

192.168.3.21   23   30   CkbaVoi

GPS Default TCP Optional UDP Serial or MCListen
IP   Port   Connected
192.168.3.1   20175   UDP

Get GPS   Log GPS   GPS Retry 10
Use MCListener   DMS Fmt   Stale GPS 60
Serial com1   4800   N,8,1

Virtual Communications Settings
Port   Baud   Parity   Databits   Stopbits   FlowContr
com9   3600   none   8   1   None

Serial Direct Connection Not Wifi
Post Tetra TetraPort

Meter Proxy MATCH TetraSubID